

JC914 U.S. PTO  
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket 960296.97032

First Inventor Jonathan C. Makielski

Title Sodium Channel Alpha Subunits

Express Mail Label No. ET929172602US

PTO/SB/05 (08/00)

02/12/02

## APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

- |   |  |
|---|--|
| <p>1. <input checked="" type="checkbox"/> Fee transmittal Form<br/>(Submit an original and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status<br/>See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <b>16</b>]<br/><i>(preferred arrangement set forth below)</i><br/>           - Descriptive title of the invention<br/>           - Cross References to Related Applications<br/>           - Statement Regarding Fed Sponsored R&amp;D<br/>           - Reference to sequence listing, a table or a computer program listing appendix<br/>           - Background of the Invention<br/>           - Brief Summary of the Invention<br/>           - Brief Description of the Drawings <i>(if filed)</i><br/>           - Detailed Description<br/>           - Claim(s)<br/>           - Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <b>4</b>]</p> <p>5. Oath or Declaration [Total Pages <b>3</b>]<br/>           a. <input checked="" type="checkbox"/> Unexecuted (original or copy)<br/>           b. <input type="checkbox"/> Copy from prior Application (37 CFR 1.63(d))<br/>           i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br/>           Signed Statement attached deleting inventor(s) named in prior application, see 37CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)<br/>           a. <input checked="" type="checkbox"/> Computer Readable Form (CRF)<br/>           b. <i>Specification Sequence Listing on</i><br/>           i. <input type="checkbox"/> CD-ROM or CD-R (2 Copies); or<br/>           ii. <input checked="" type="checkbox"/> Paper [17 pages]</p> <p>c. <input type="checkbox"/> Statements verifying identity of above copies</p> |
|---|--|

## ACCOMPANYING APPLICATION PARTS

- |   |
|---|
| <p>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; documents)</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (where there is an assignee)</p> <p>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return receipt postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> Certified copy of priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Other:</p> |
|---|

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76

Continuation     Divisional     Continuation-in-part (CIP)    of prior application no. \_\_\_\_\_

Prior application information: Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	<input type="text"/> (Insert Customer No. or Attach bar code label here)			<input type="checkbox"/> Correspondence address below
NAME	Bennett J. Berson			
	Quarles & Brady LLP			
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	P O Box 2113			
CITY	Madison	STATE	WI	ZIP CODE
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	53701-2113			

Name	Bennett J. Berson	Registration No. (Attorney/Agent)	37k094
Signature			
	Date: February 12, 2002		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. QBMA0325009

# FEE TRANSMITTAL FOR FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT \$ 1,160.00

Complete if Known	
Application Number	
Filing Date	
First Named Inventor	Jonathan C. Makielski
Group Art Unit	
Examiner Name	
Attorney Docket Number	960296.98032

## METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 17-0055

Deposit Account Name Quarles &amp; Brady LLP

 Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Applicant claims small entity status See 37 CFR 1.272.  Payment Enclosed:
 Check  Credit Card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	740
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$ 740.00)

## 2. CLAIMS

Total Claims	Independent	Extra	Fee from below	Fee Paid
15	8	-20**=	0	X = 740
		-3**=	5	X = 420

Multiple Dependent Claims

\*\* or number previously paid, if greater, For reissues see below

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 420.00)

## 3. ADDITIONAL FEES

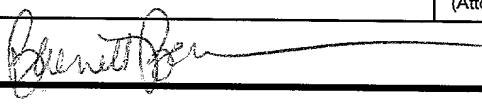
Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,280	241	640	Petition to revive unintentionally abandoned application	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
146	740	246	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	270	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ .00)

## SUBMITTED BY

Complete (if applicable)

Typed or Printed Name	Bennett J. Berson	Registration No. (Attorney/Agent)	37,094	Telephone	608/251-5000
Signature				Date	February 12, 2002



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Milwaukee and Madison, Wisconsin

February 12, 2002

Commissioner for Patents  
Box Patent Application  
P O Box 2327  
Arlington VA 22202

**Re: Filing Patent Application**

Dear Sir:

Enclosed for filing please find a patent application entitled:

**SODIUM CHANNEL ALPHA SUBUNITS**

by      Jonathan C. Makielski  
          Bin Ye

The undersigned hereby certifies that this document is being deposited with the United States Postal Service today, February 12, 2002, by the "Express Mail" service, utilizing Express Mail label number ET929172602US, addressed to: Commissioner for Patents, Box Patent Application, P O Box 2327, Arlington, VA 22202.

Please indicate receipt of this application by returning the attached postcard with the official Patent and Trademark Office receipt and serial number stamped thereon.

Respectfully submitted,

Enclosures